



# Early Stage 6D Planar Snake

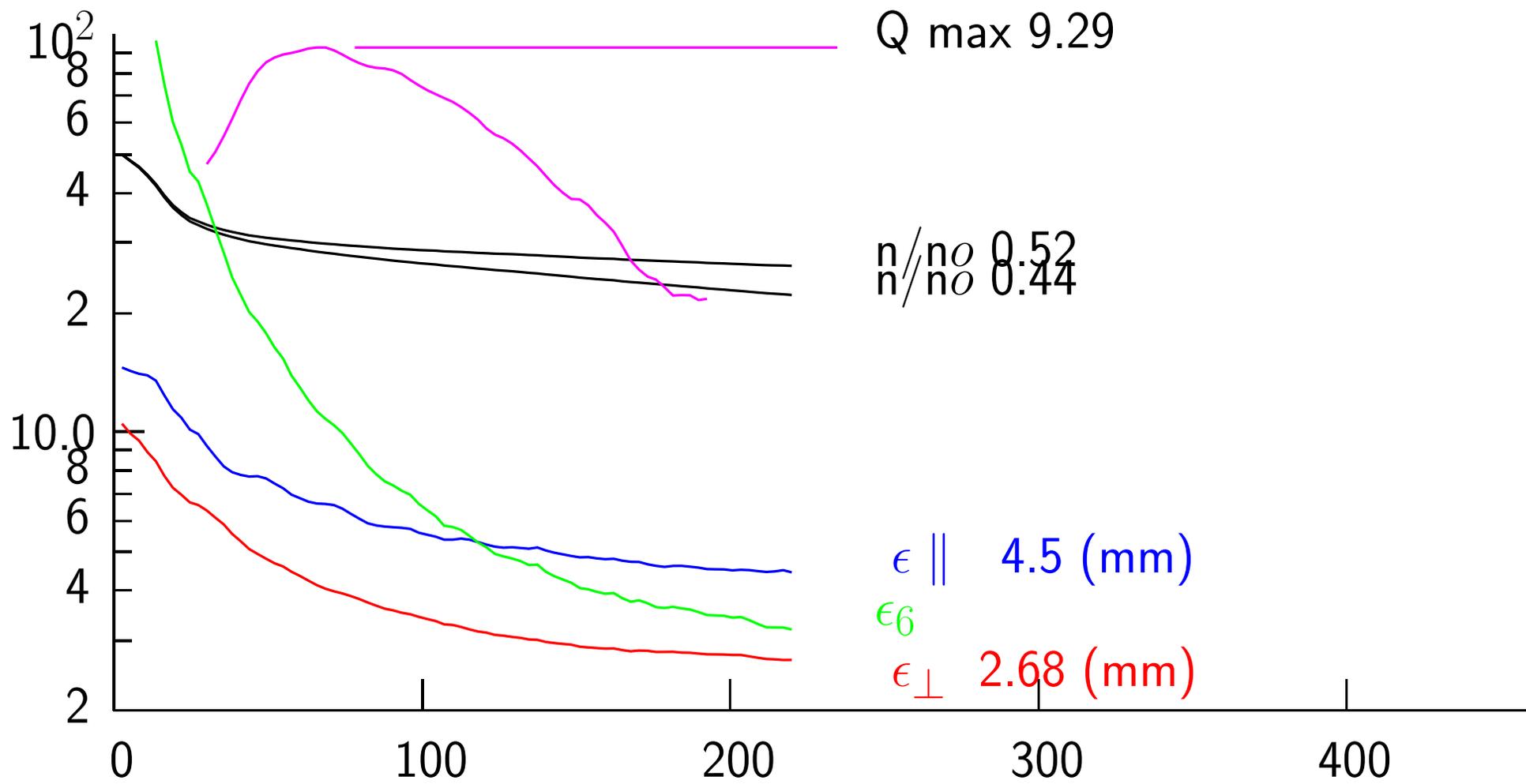
R. B. Palmer, J. S. Berg, R. Fernow, D. Stratakis  
(BNL)

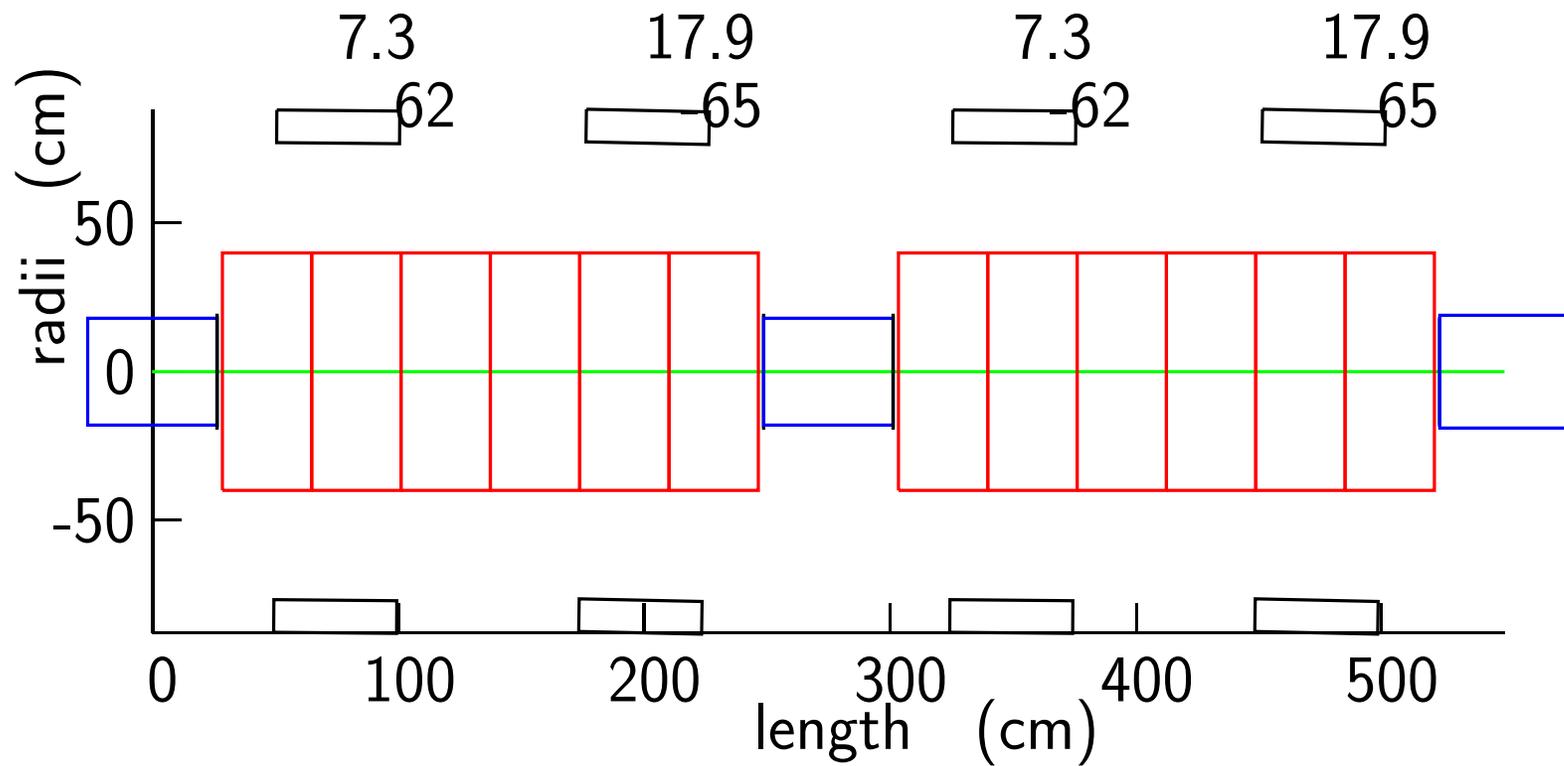
Thursday

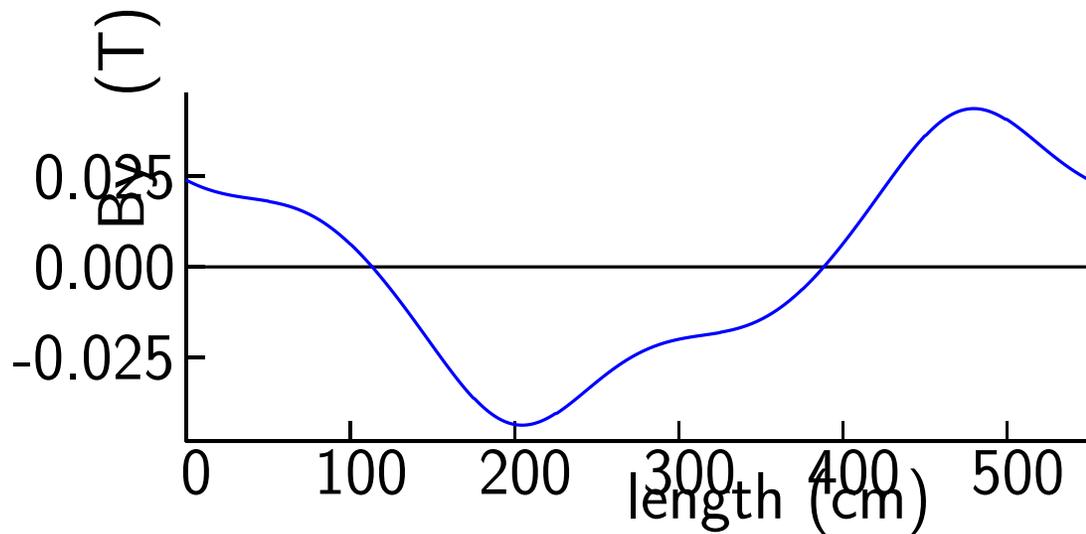
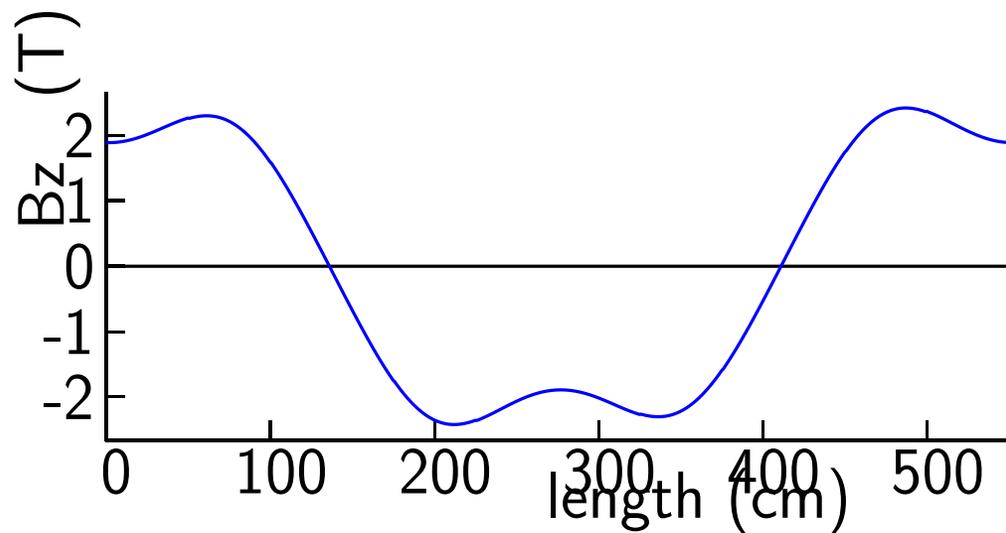
7/17/2013

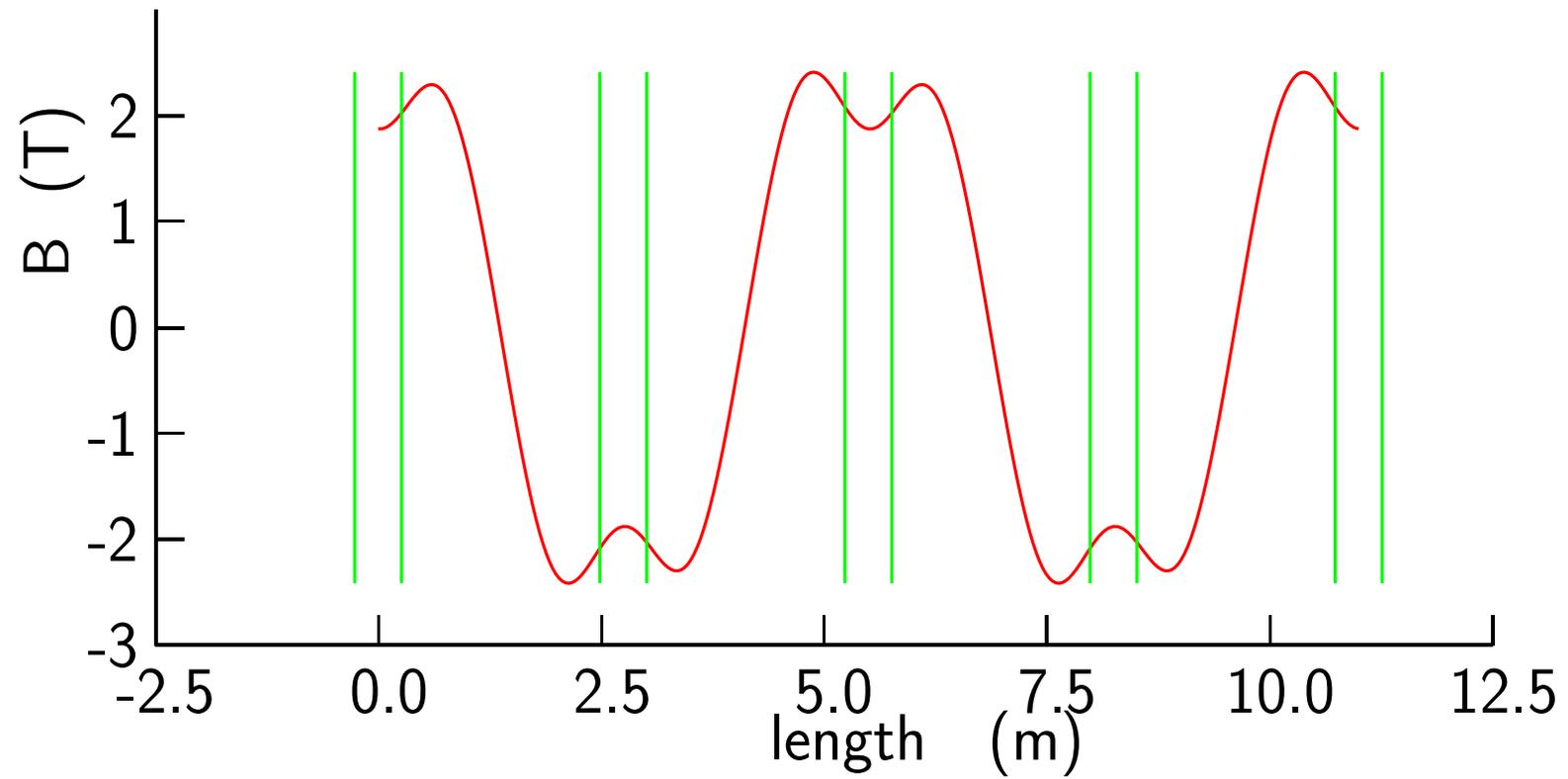
| gap   | start | dl    | rad   | dr    | tilt | I/A               |
|-------|-------|-------|-------|-------|------|-------------------|
| m     | m     | m     | m     | m     | mrاد | A/mm <sup>2</sup> |
| 0.500 | 0.500 | 0.500 | 0.770 | 0.110 | 7.3  | 62.22             |
| 0.750 | 1.750 | 0.500 | 0.770 | 0.110 | 17.9 | -65.45            |
| 0.500 | 3.250 | 0.500 | 0.770 | 0.110 | 7.3  | -62.22            |
| 0.750 | 4.500 | 0.500 | 0.770 | 0.110 | 17.9 | 65.45             |

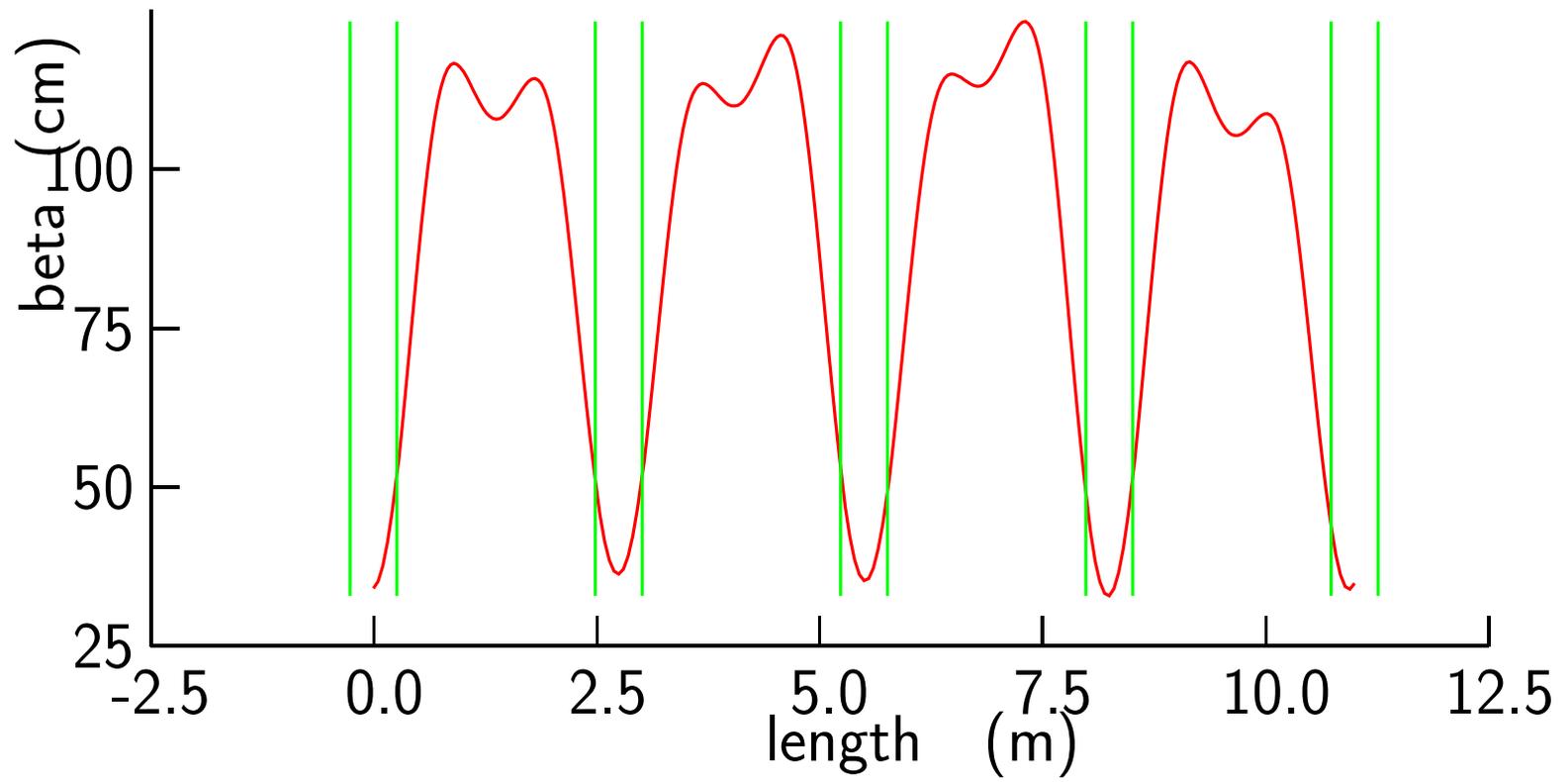
|           | start  | dl    | rad   | Freq | Grad | phase |
|-----------|--------|-------|-------|------|------|-------|
|           | cm     | cm    | cm    | MHz  | MV/m | deg   |
| H2        | -26.30 | 52.60 | 18.00 |      |      |       |
| AL window | 26.30  | 0.050 | 19.00 |      |      |       |
| Gap       | 26.35  | 2.15  |       |      |      |       |
| rf        | 28.50  | 36.33 | 40.00 | 325  | 19   | 30    |
| rf        | 28.50  | 36.33 | 40.00 | 325  | 19   | 30    |
| rf        | 28.50  | 36.33 | 40.00 | 325  | 19   | 30    |
| rf        | 28.50  | 36.33 | 40.00 | 325  | 19   | 30    |
| rf        | 28.50  | 36.33 | 40.00 | 325  | 19   | 30    |
| rf        | 28.50  | 36.33 | 40.00 | 325  | 19   | 30    |
| Gap       | 246.50 | 2.15  |       |      |      |       |
| AL window | 248.65 | 0.050 | 19.00 |      |      |       |
| H2        | 248.70 | 52.60 | 18.00 |      |      |       |
| AL window | 301.30 | 0.050 | 19.00 |      |      |       |

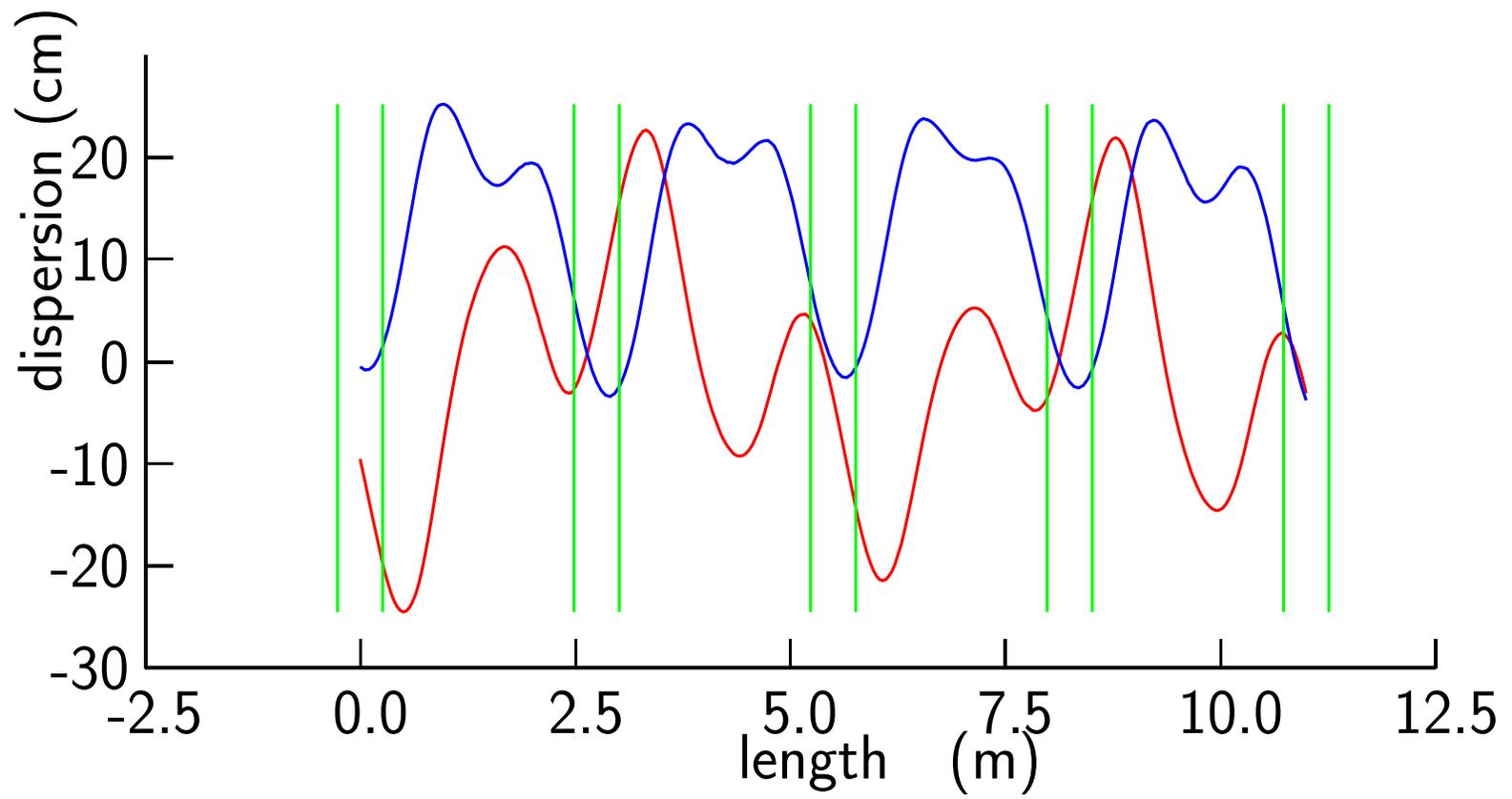


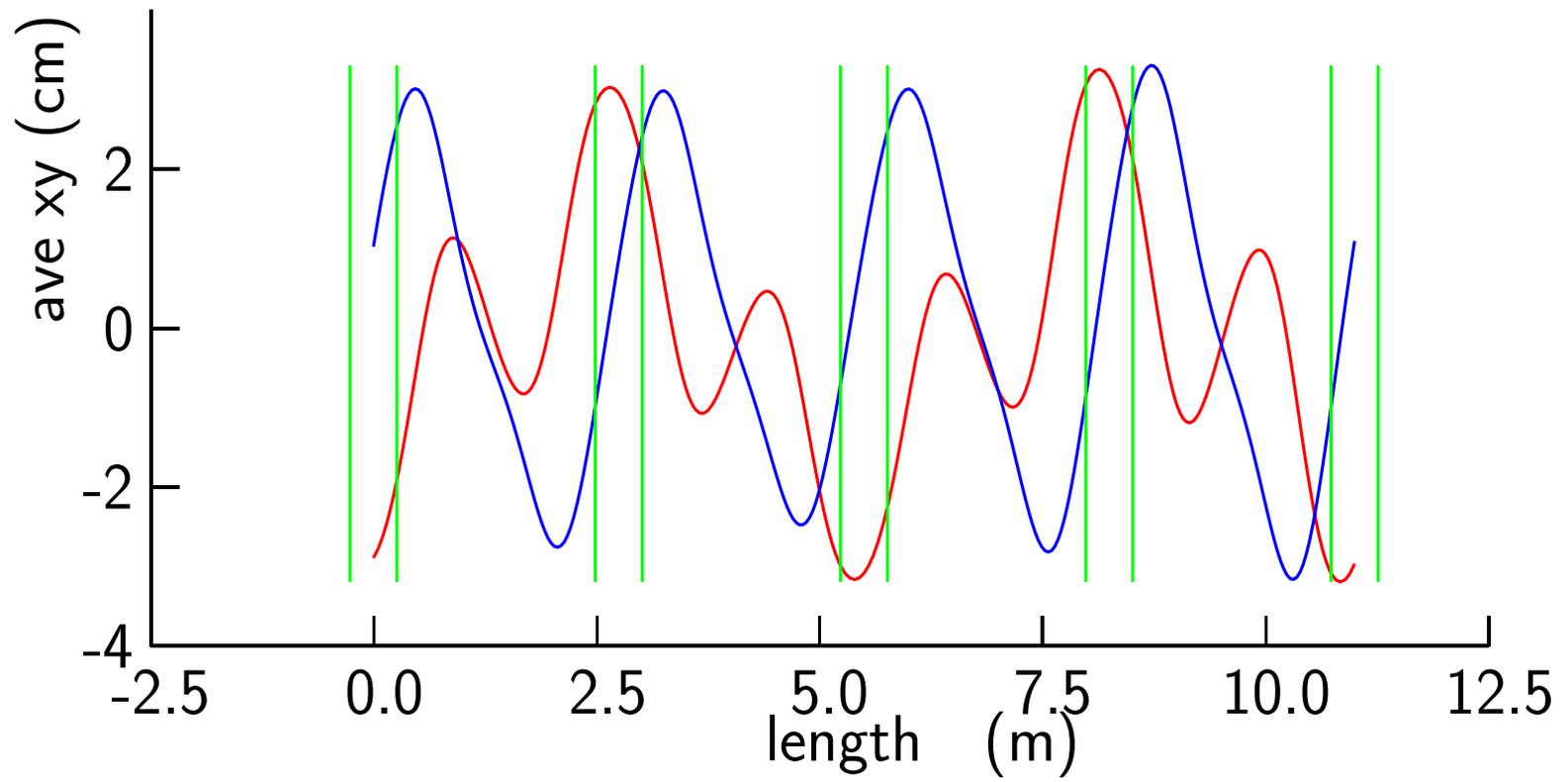












## 6D Merge

Now designed for 12 bunches at 201 MHz

Needs modifying

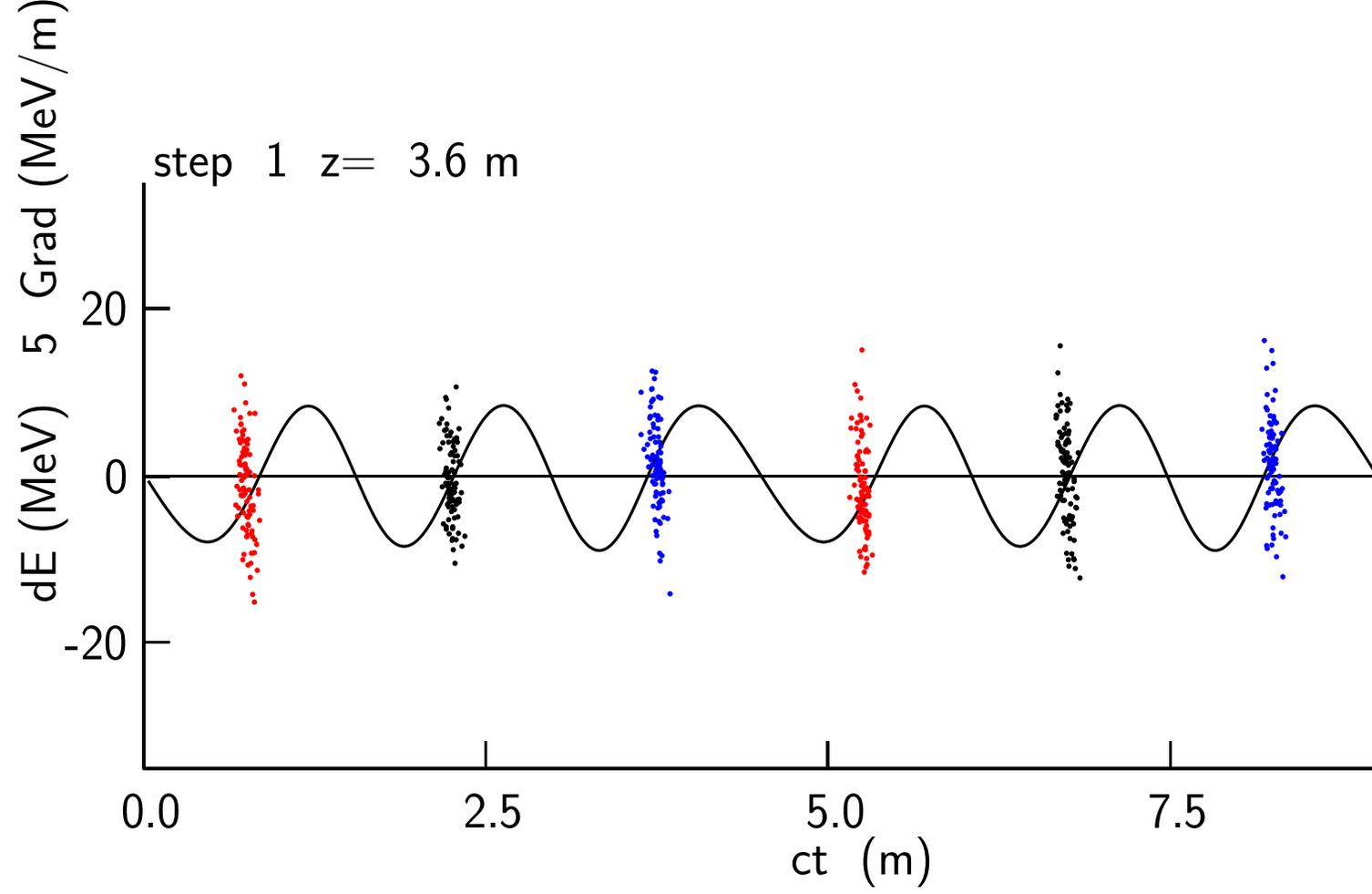


Fig. 1

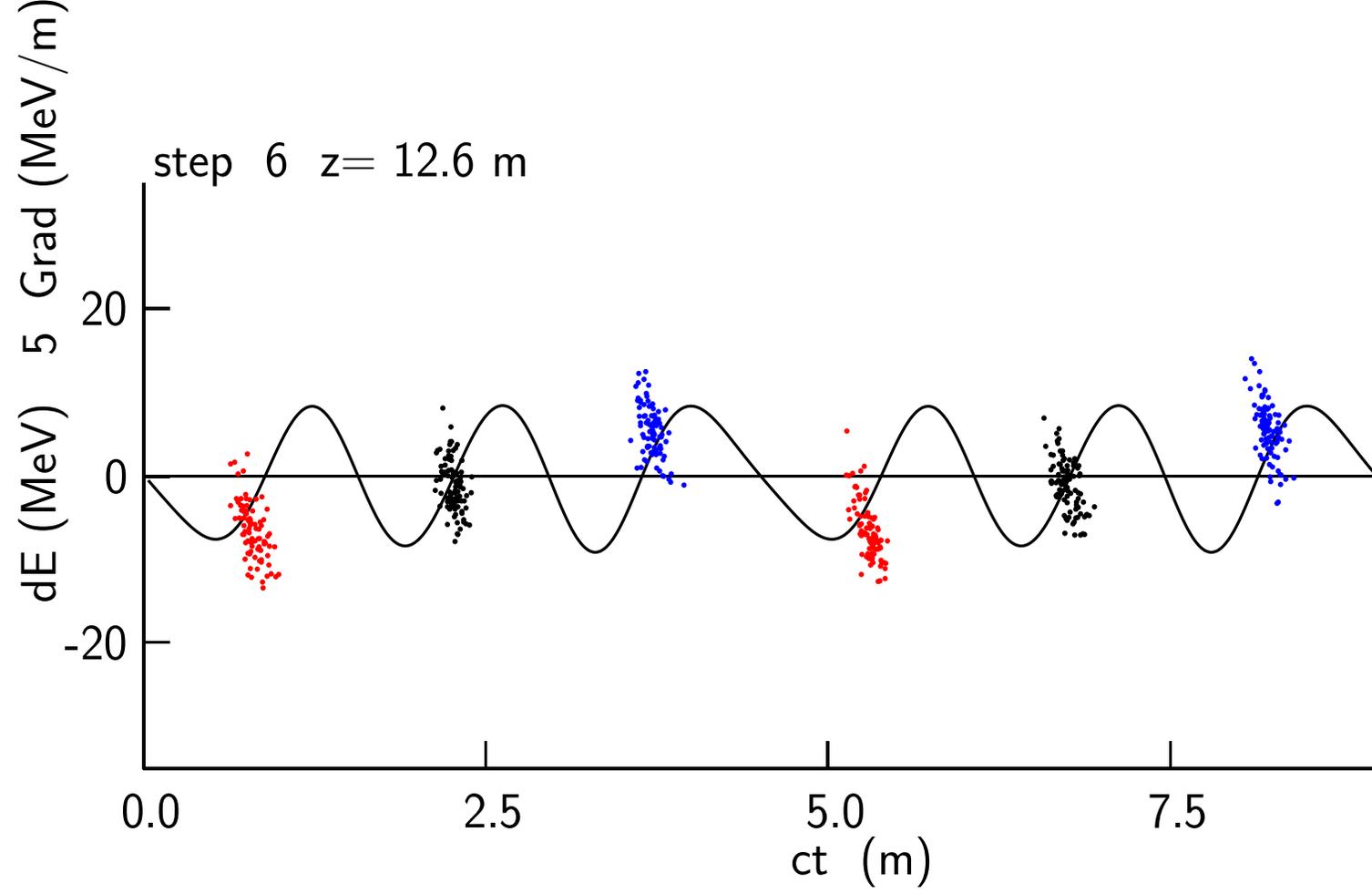


Fig. 2

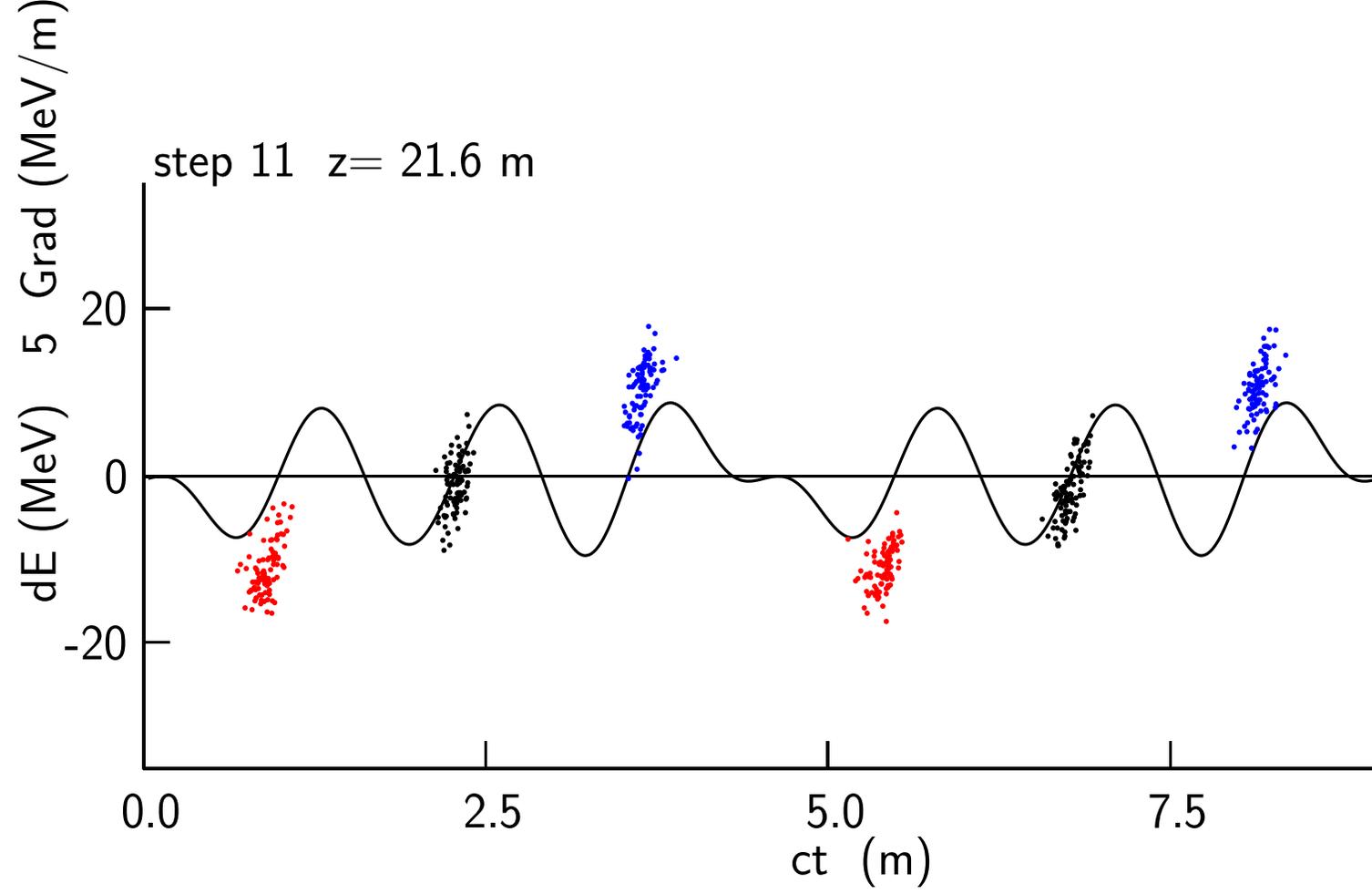


Fig. 3

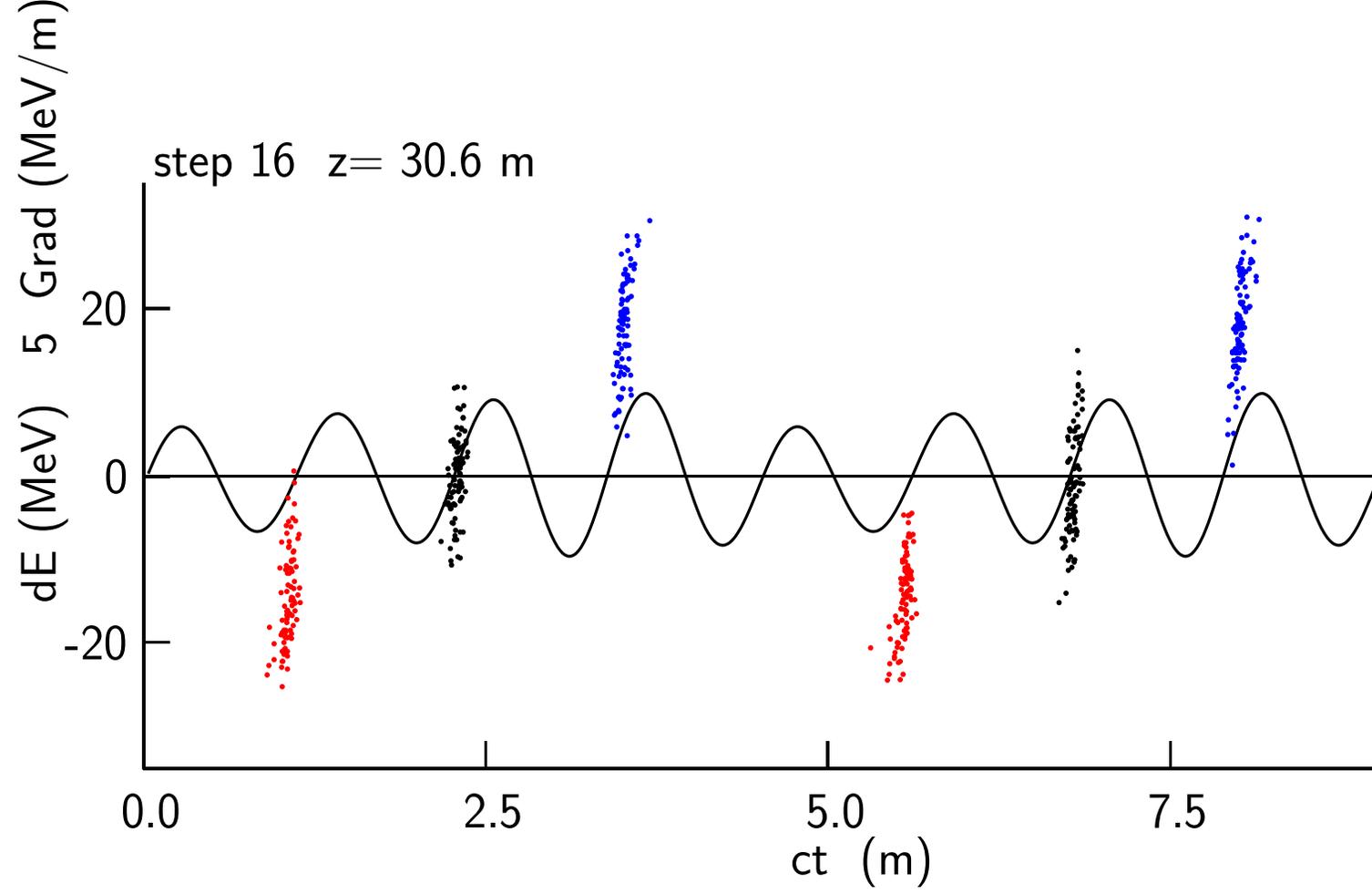


Fig. 4

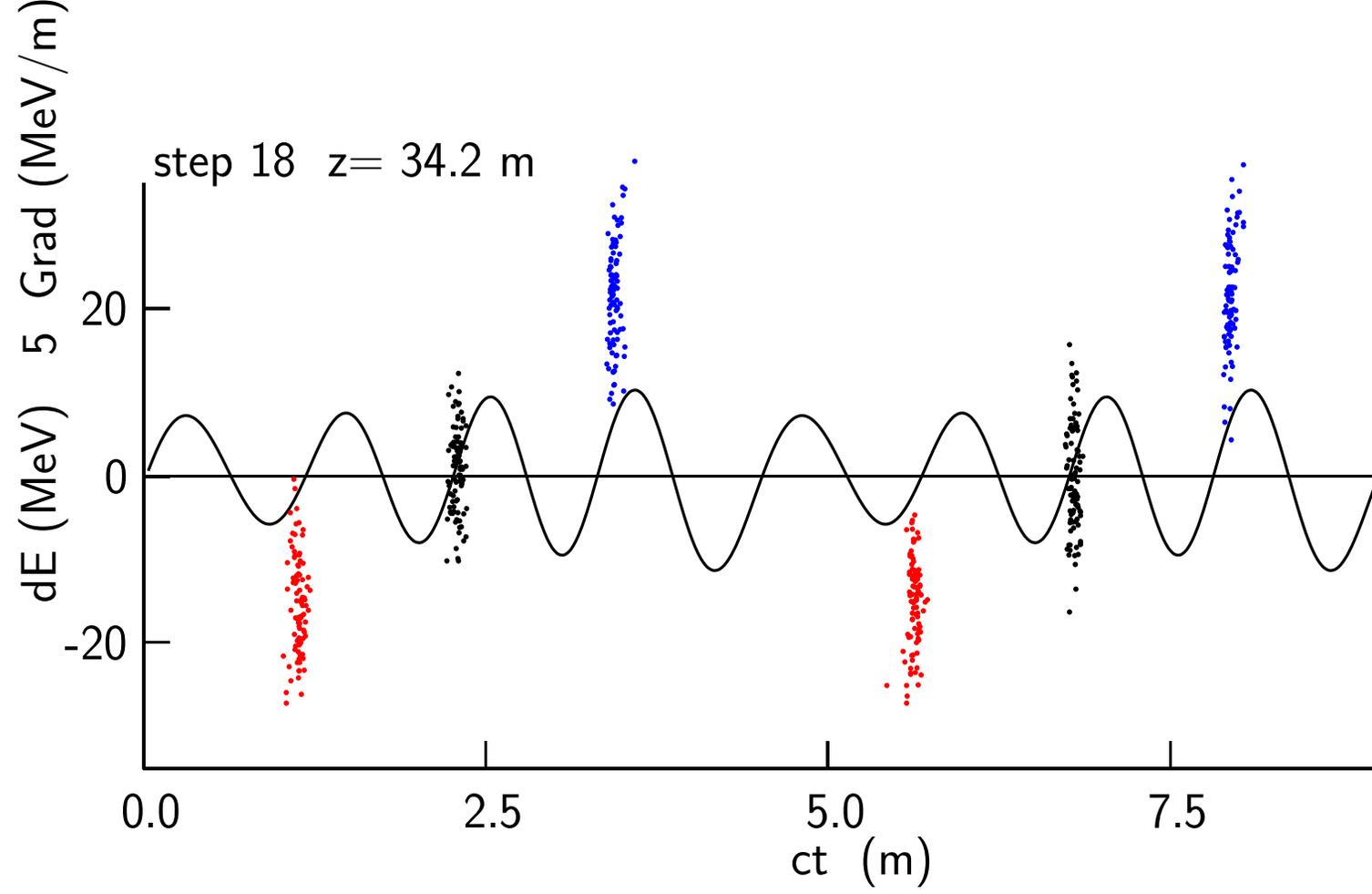


Fig. 5

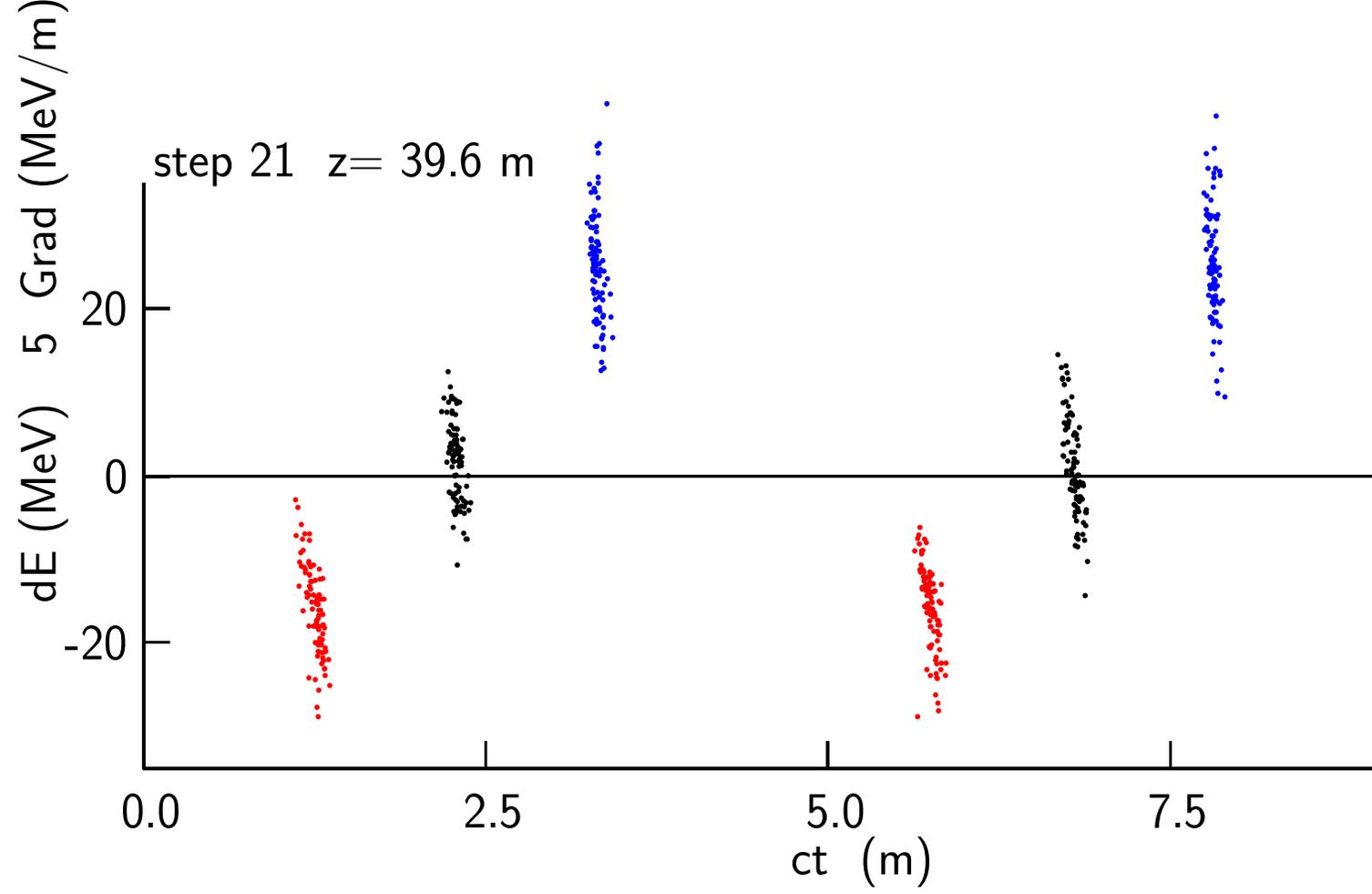


Fig. 6

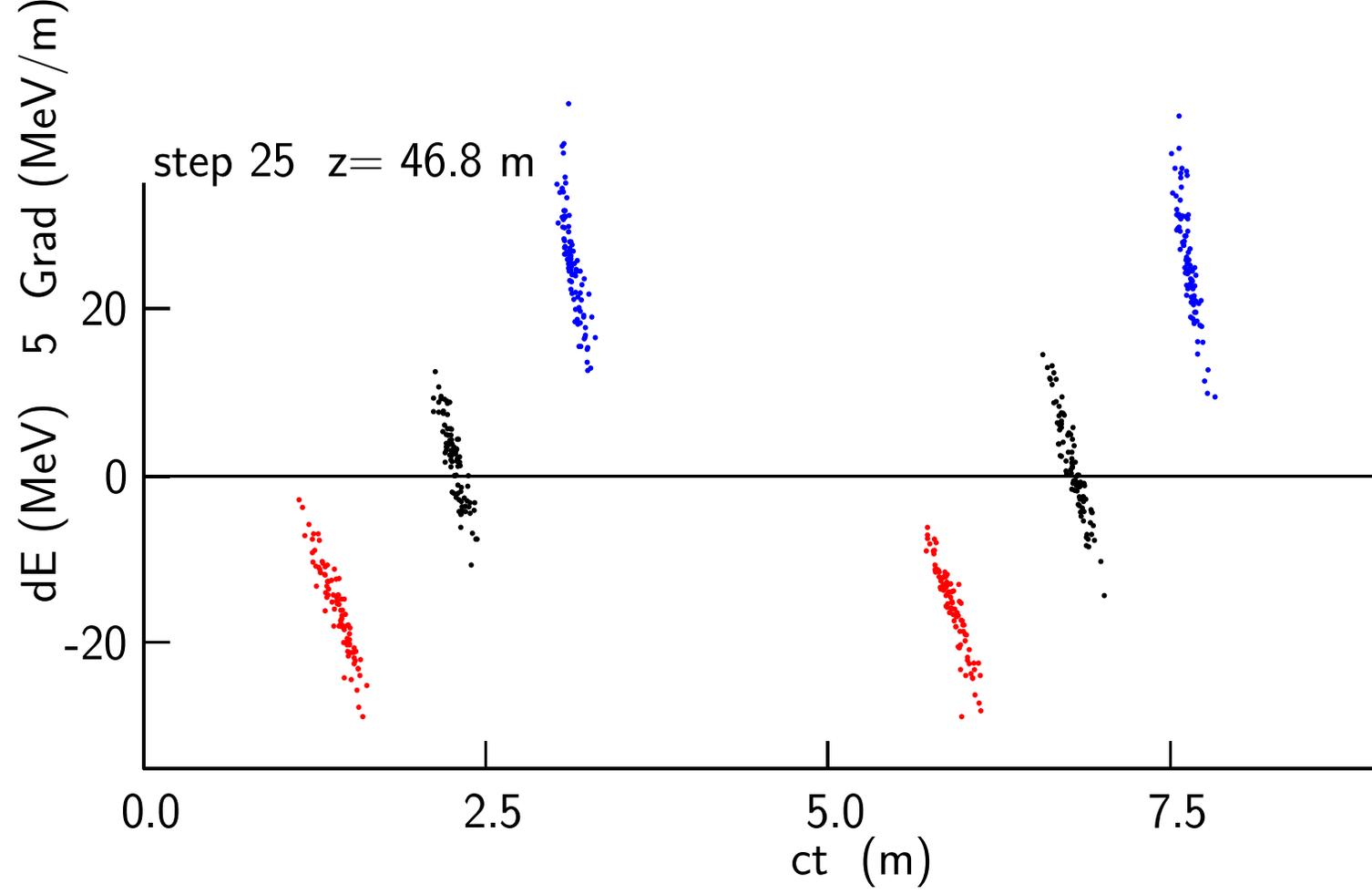


Fig. 7

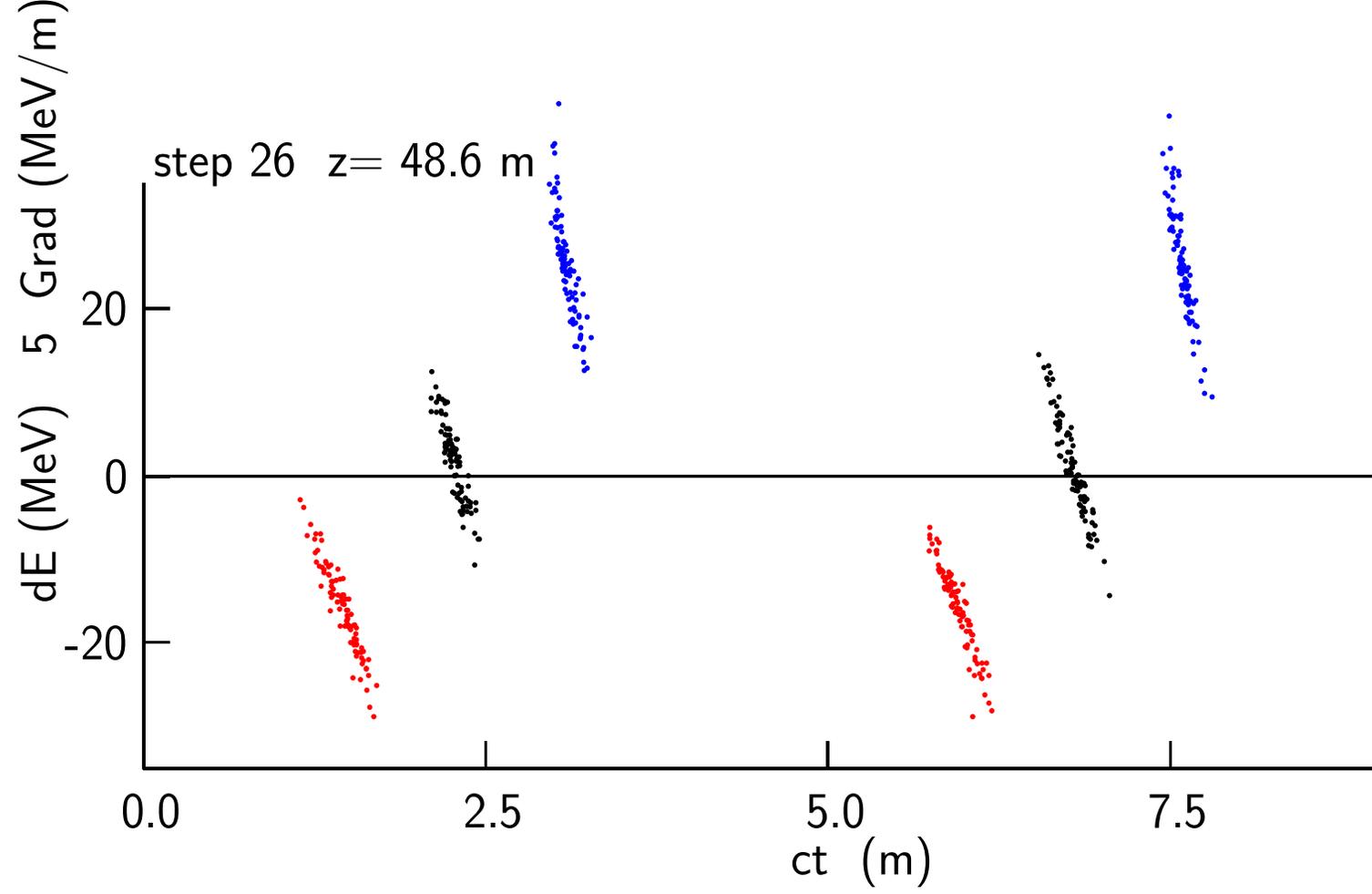


Fig. 8

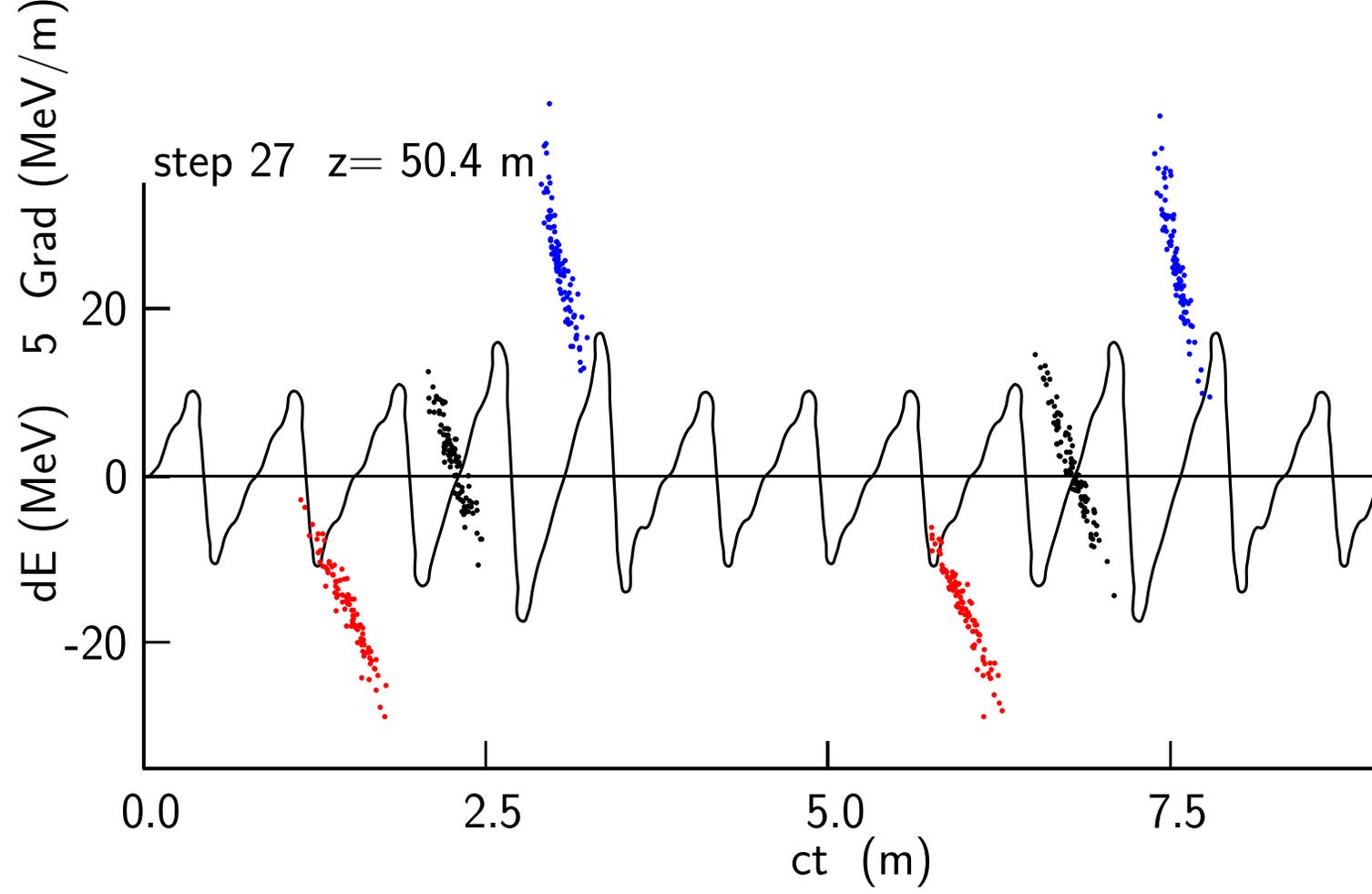


Fig. 9

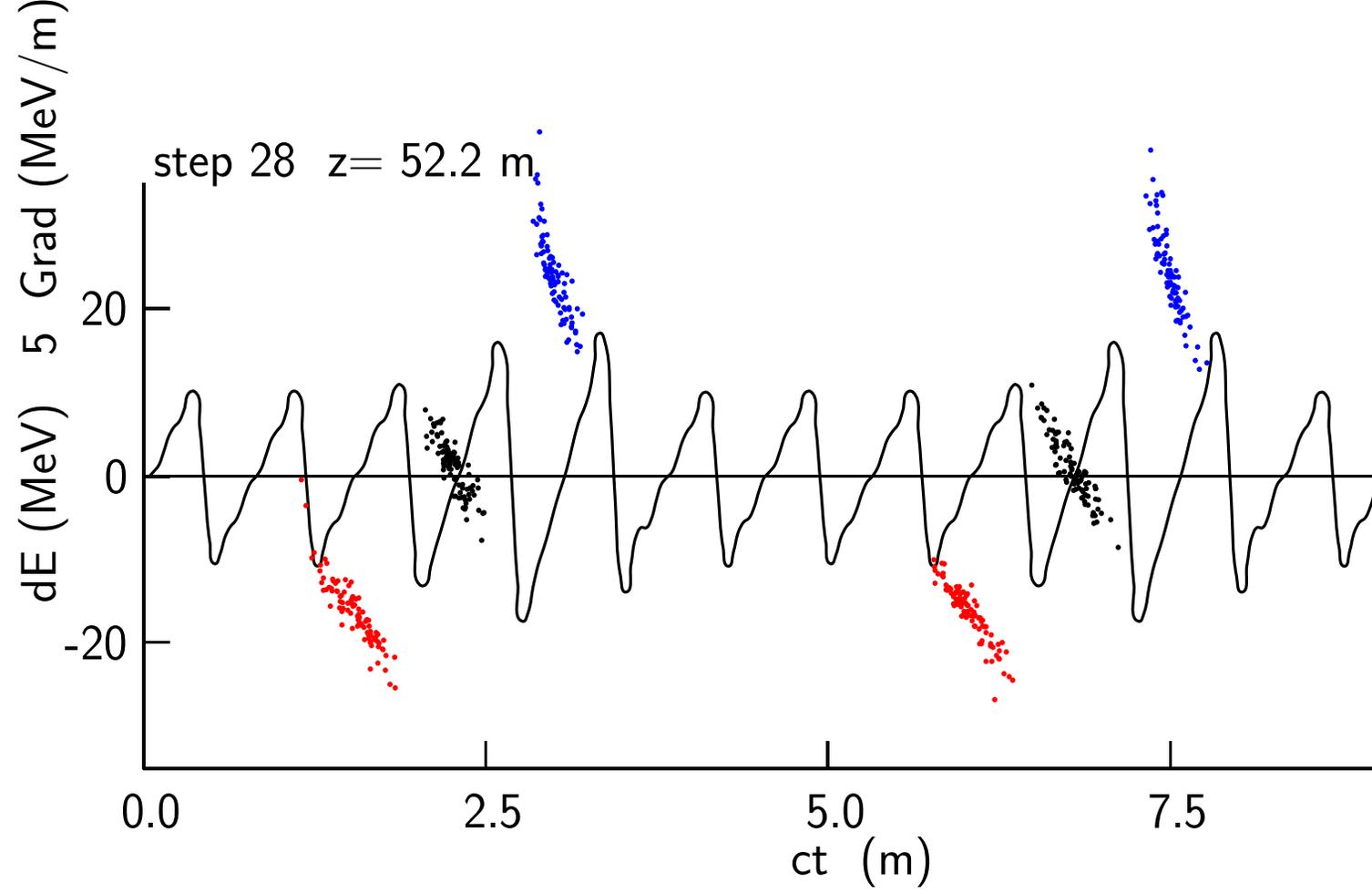


Fig. 10

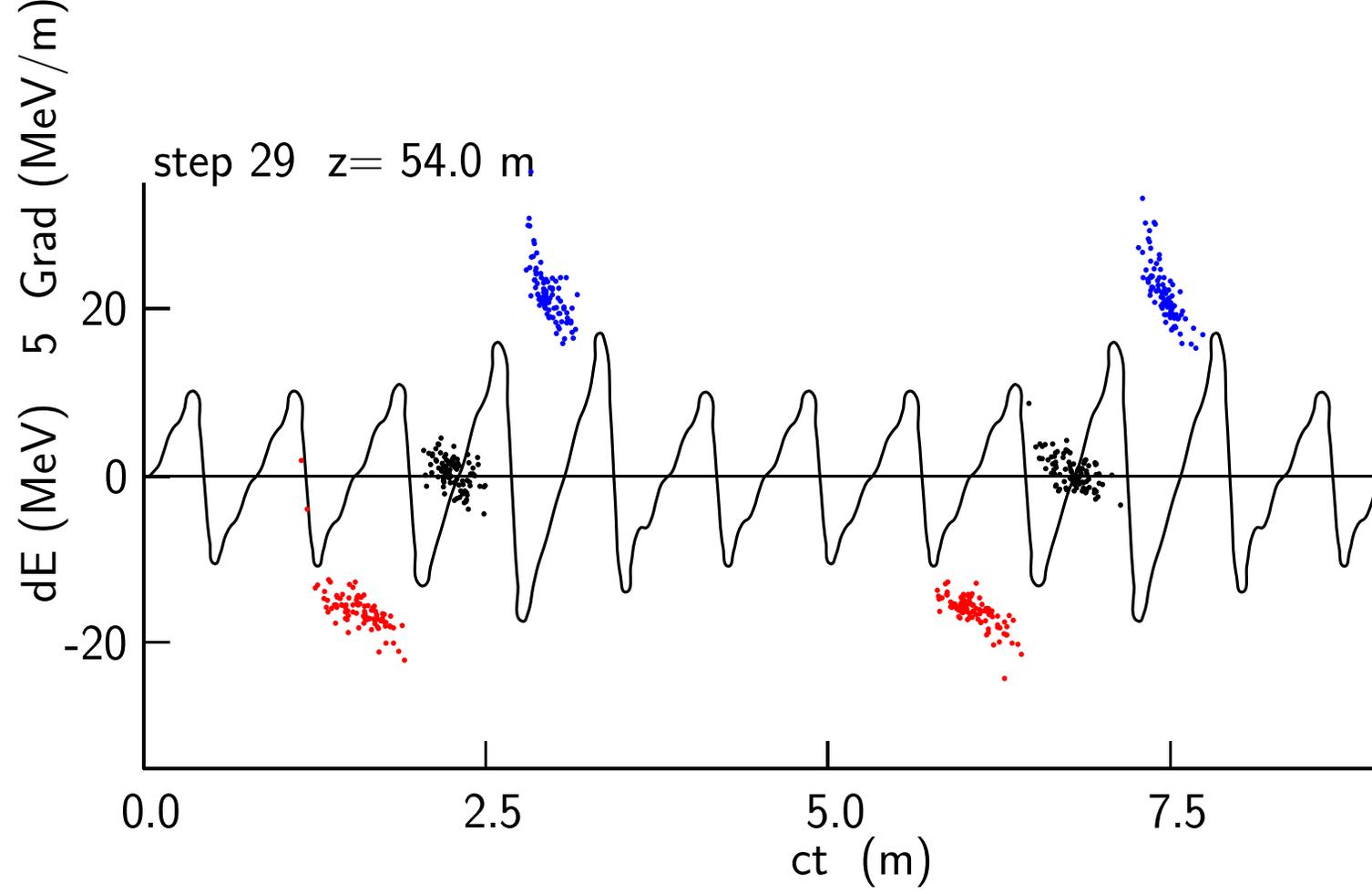


Fig. 11

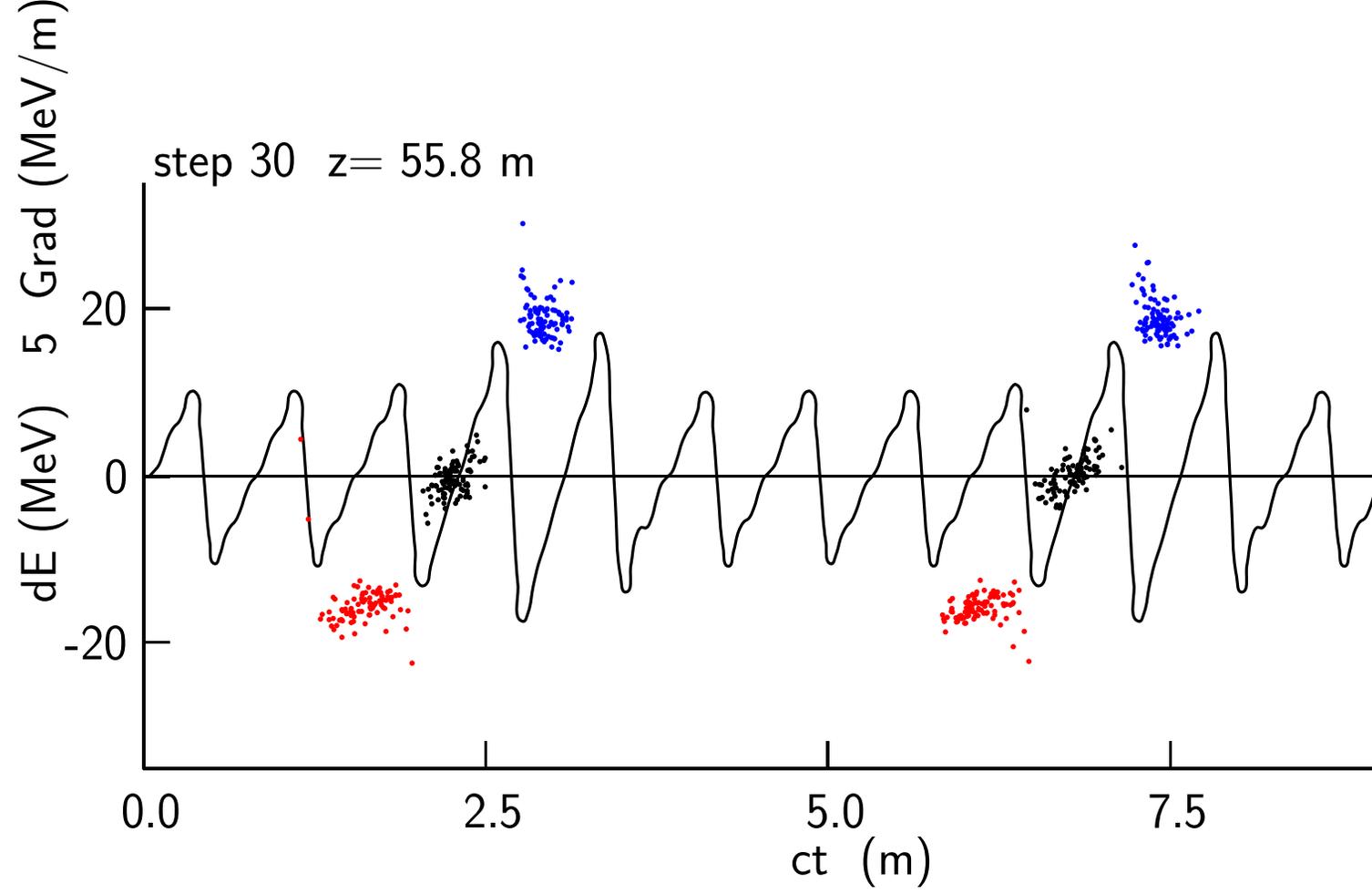


Fig. 12

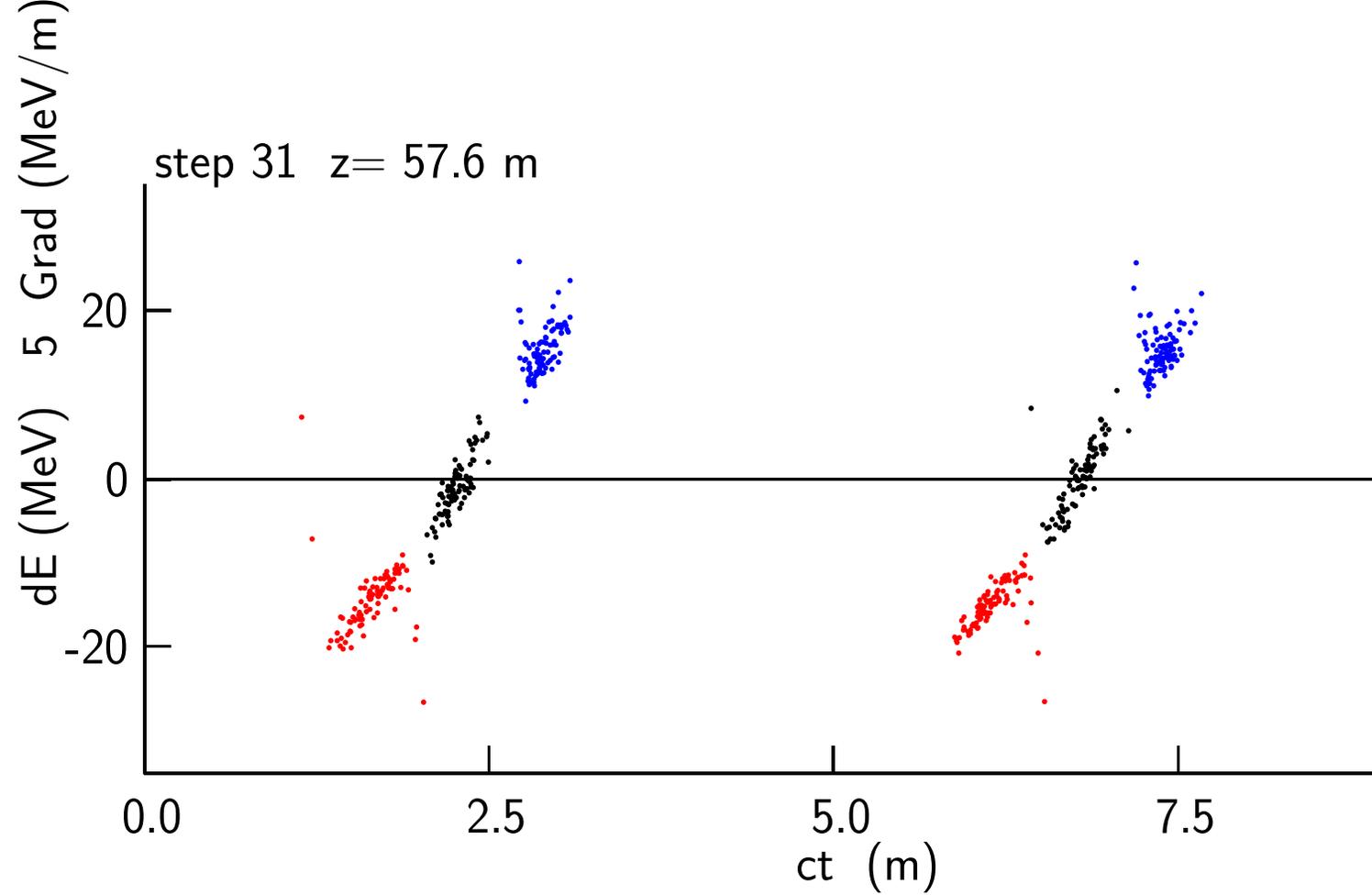


Fig. 13

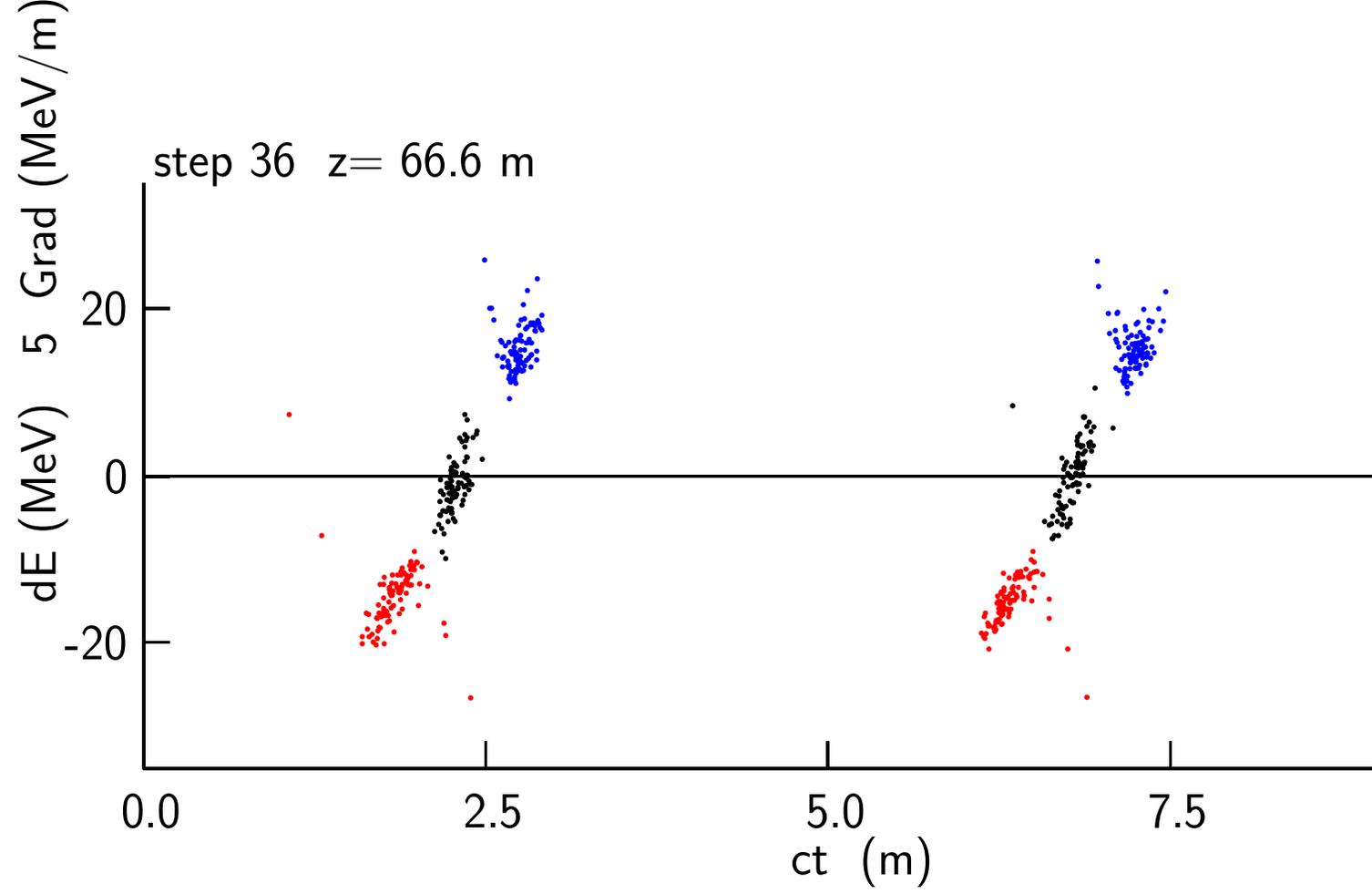


Fig. 14

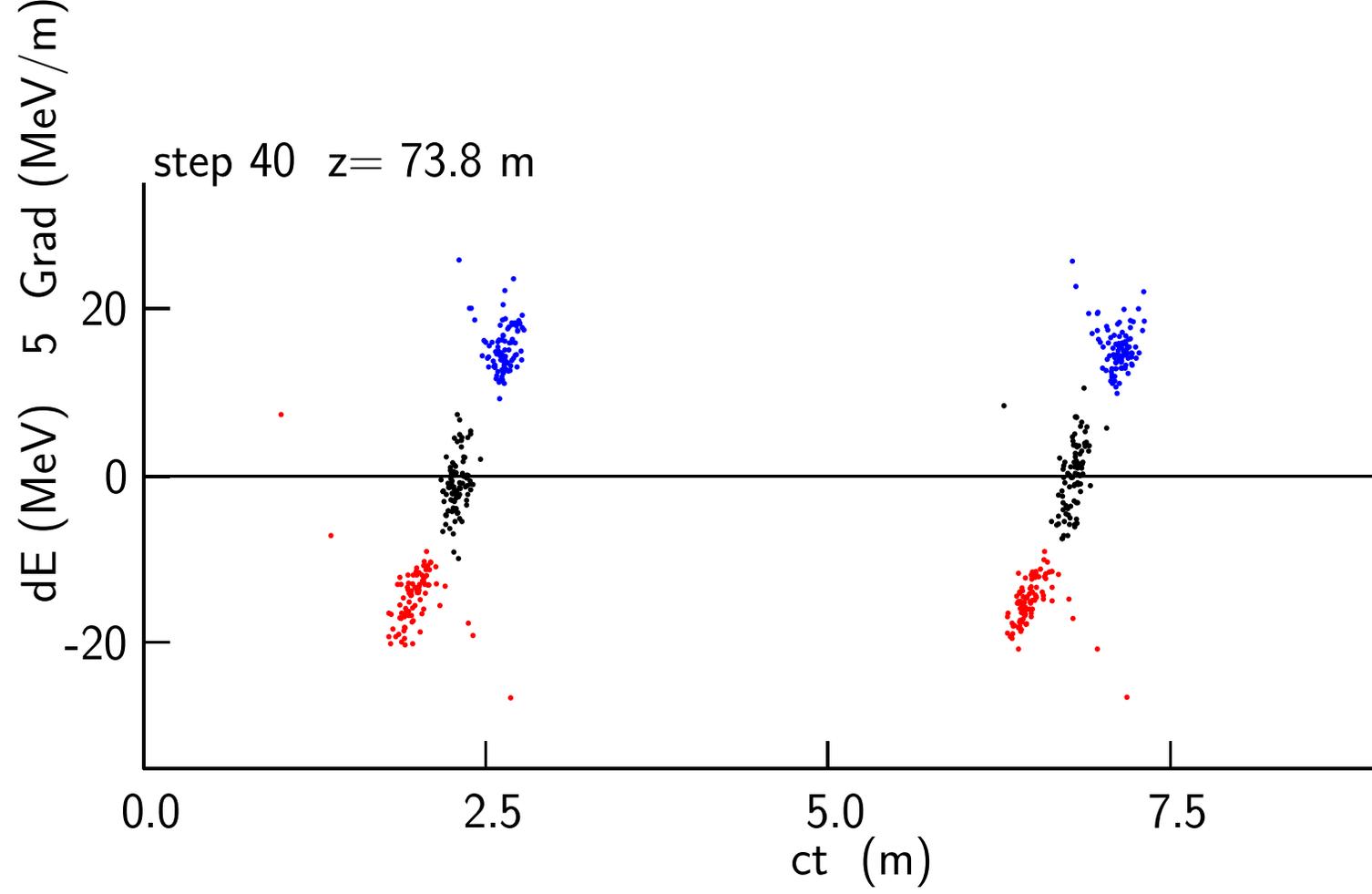


Fig. 15

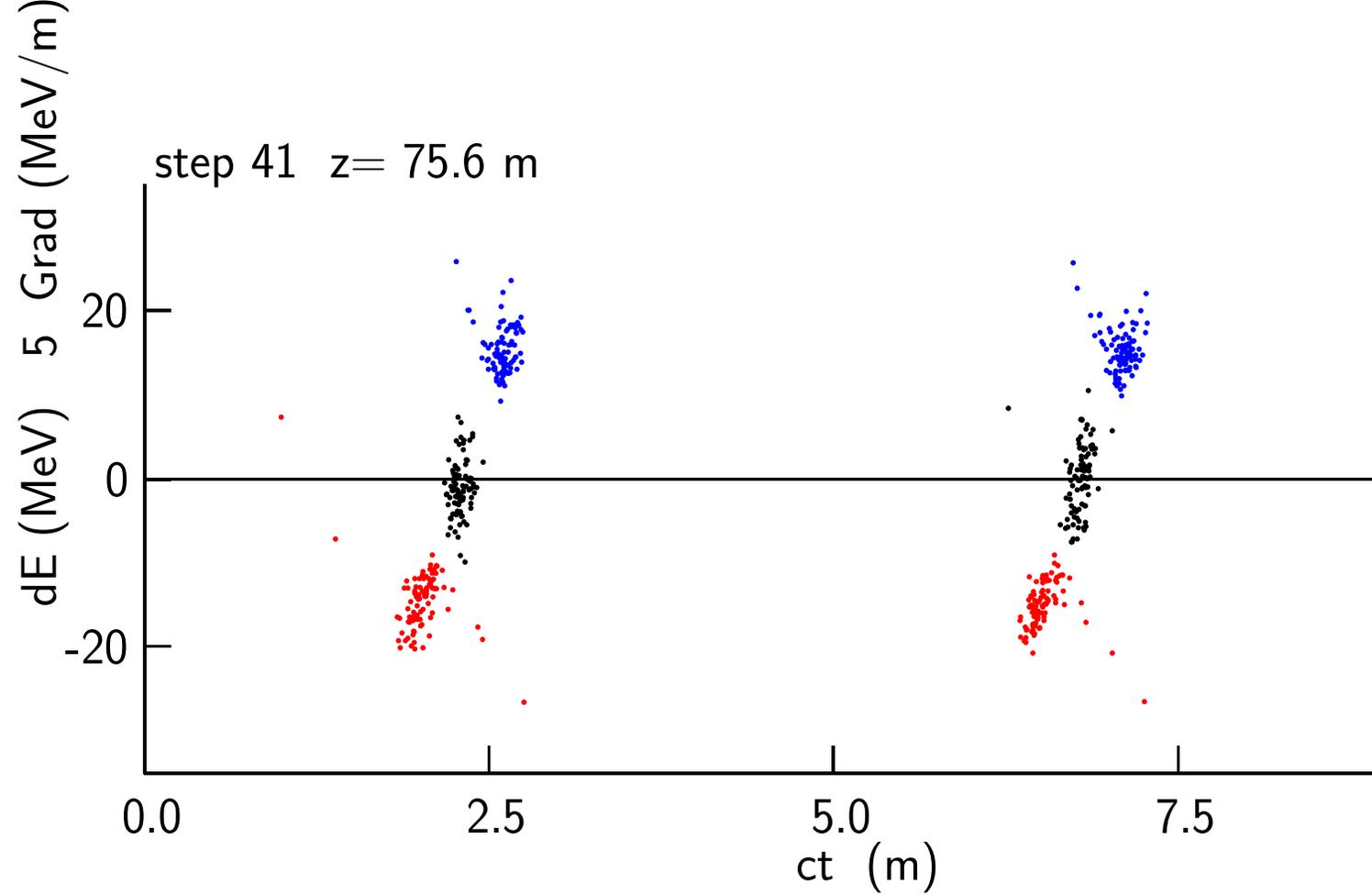


Fig. 16

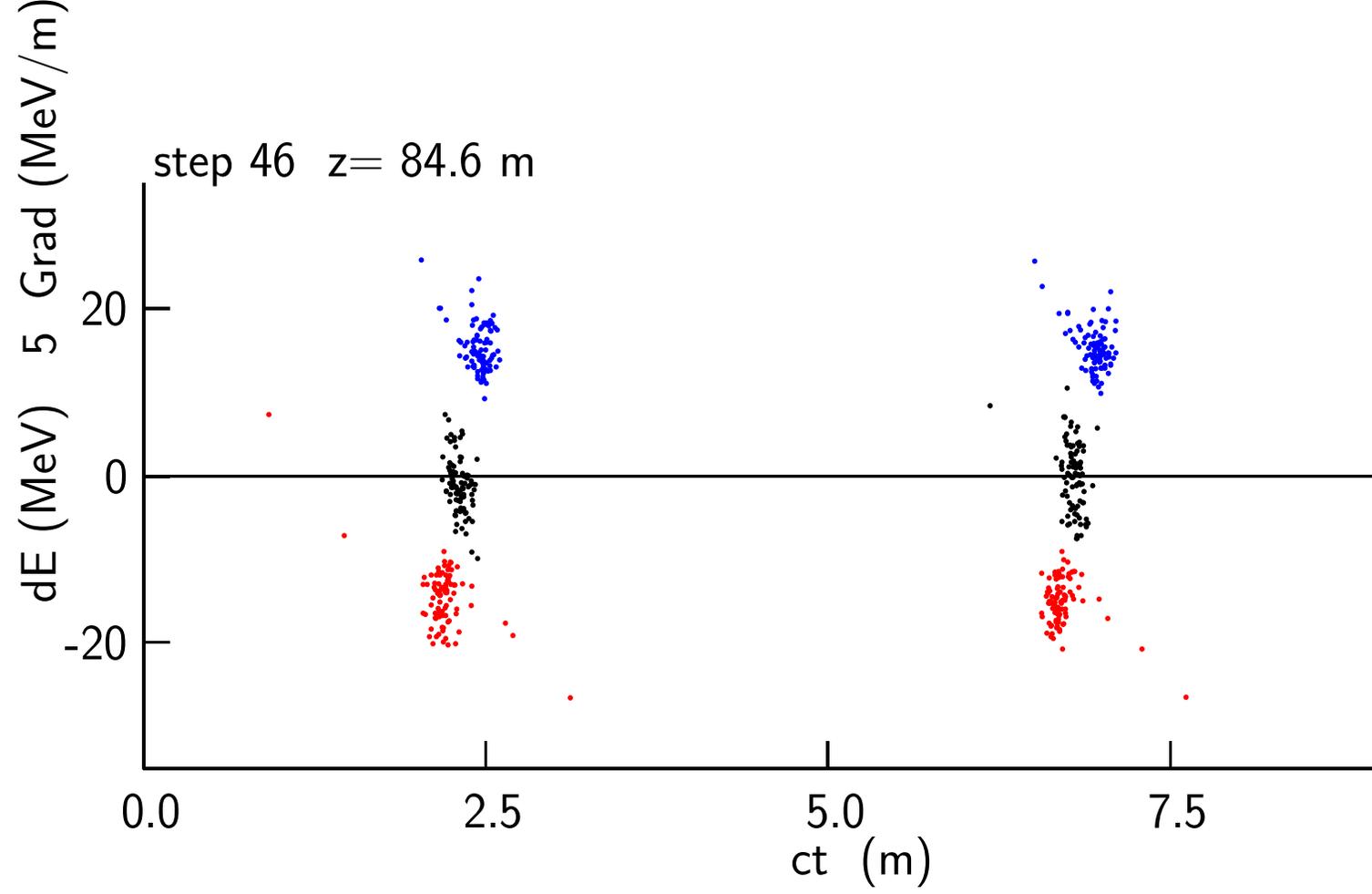


Fig. 17

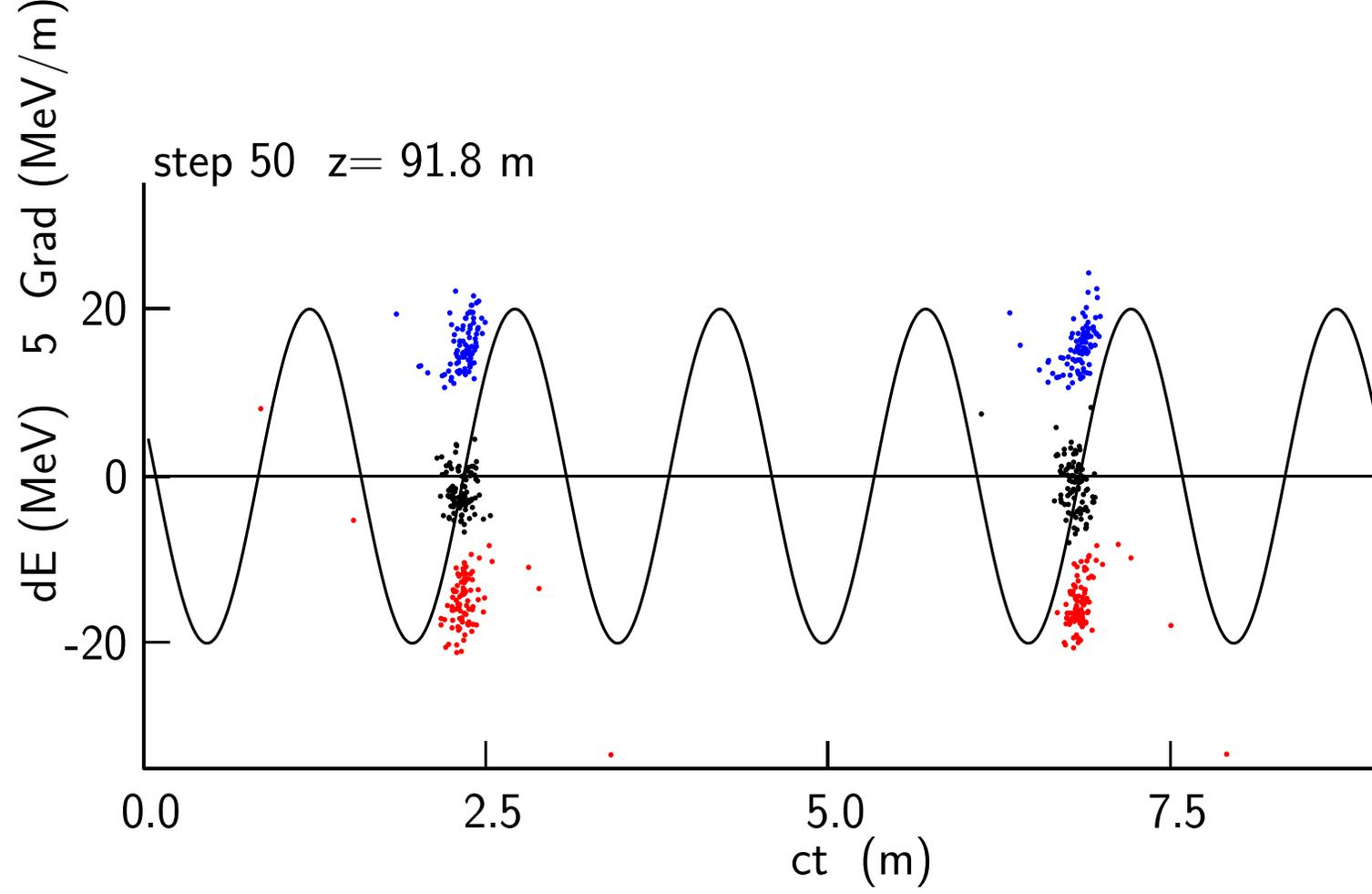


Fig. 18

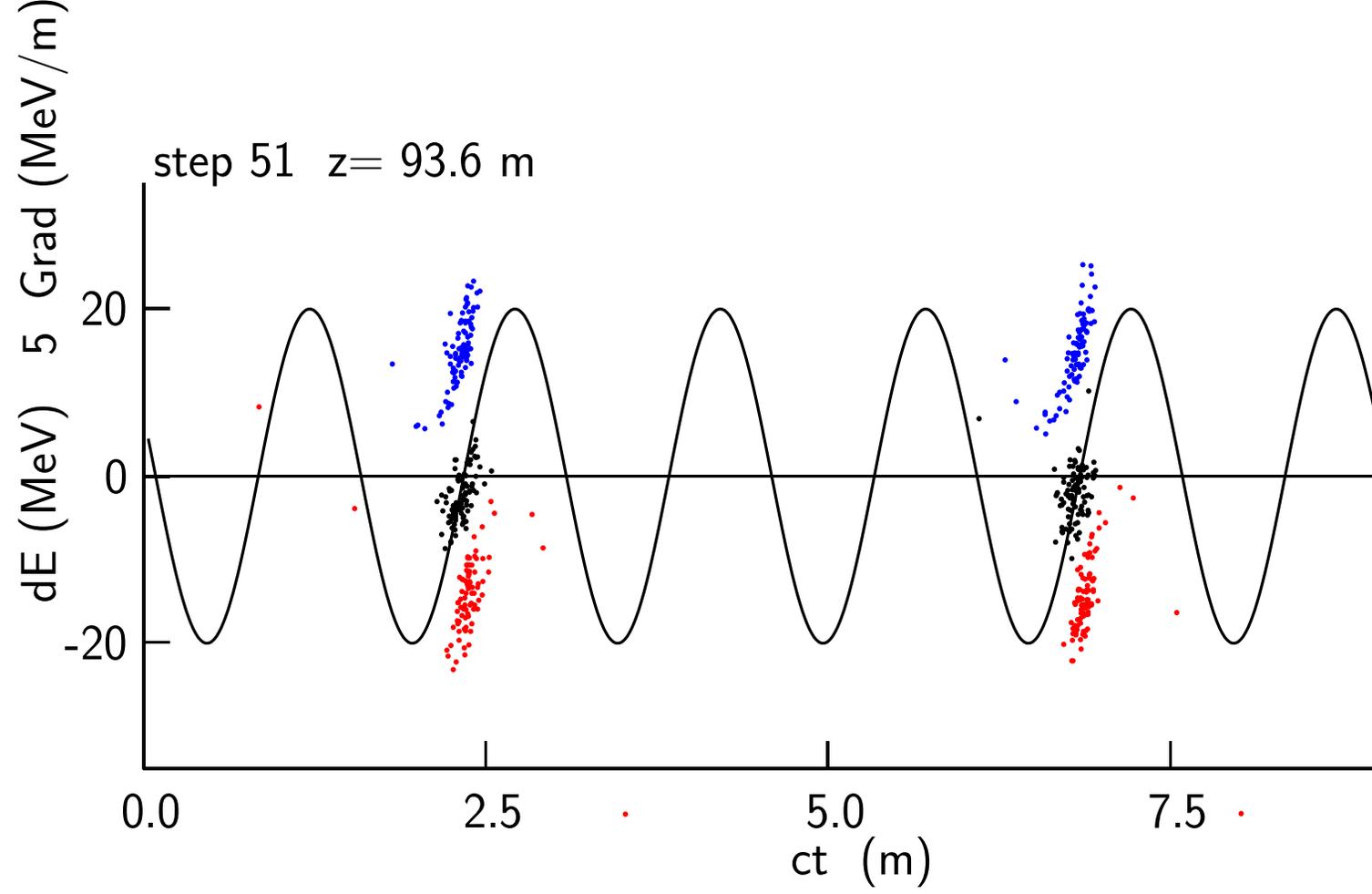


Fig. 19

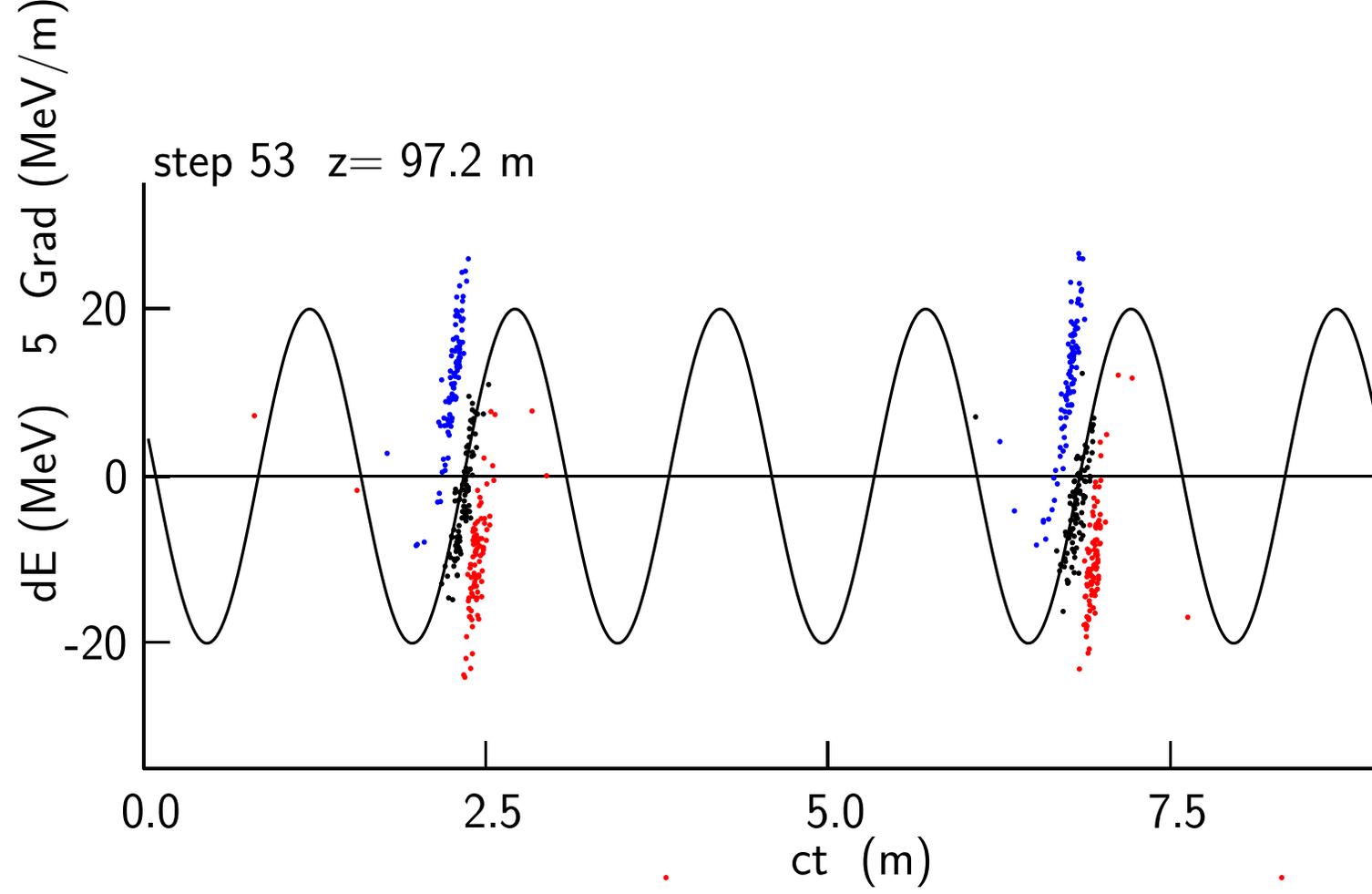


Fig. 20

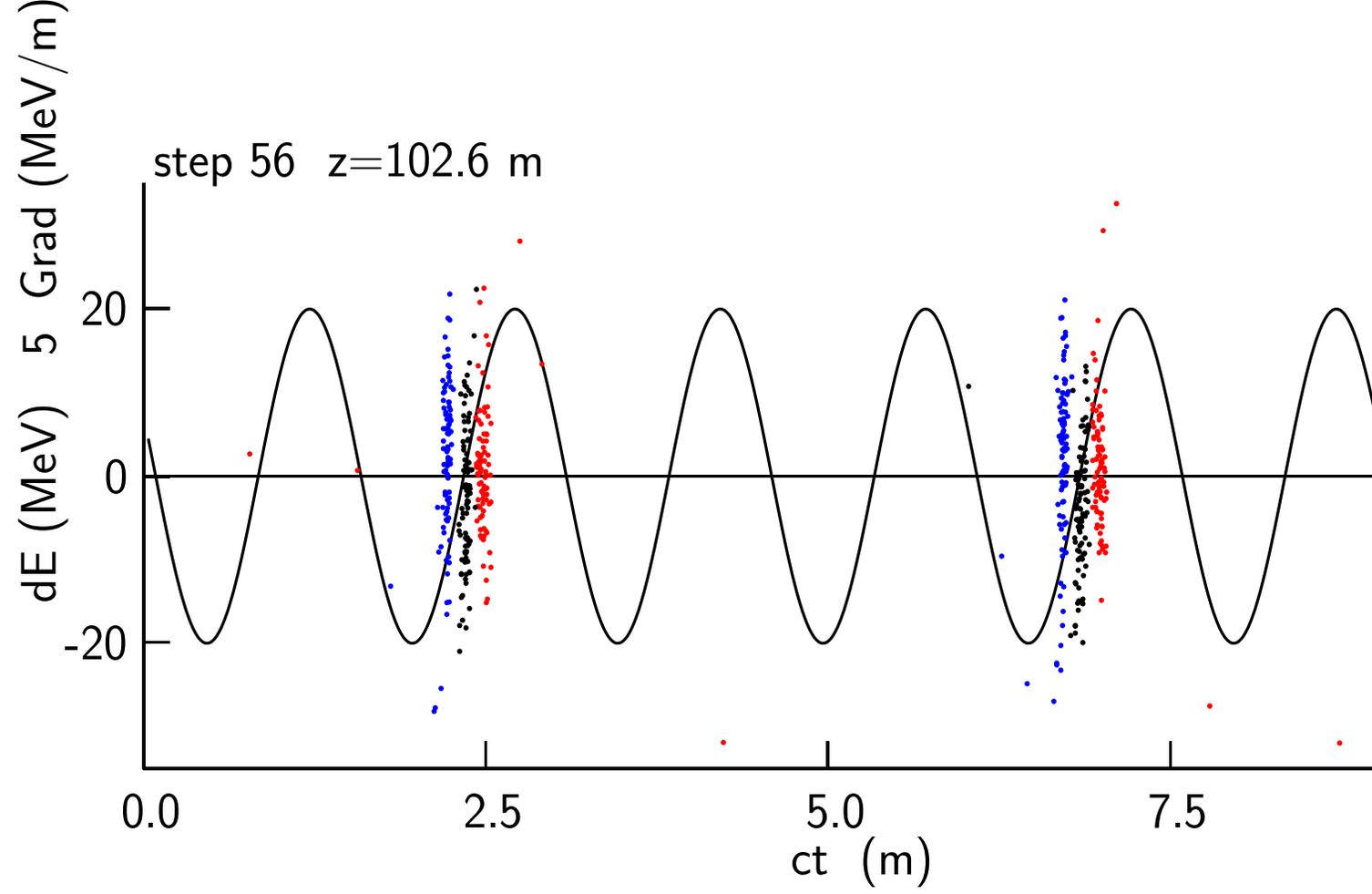


Fig. 21